

VON BORSTEL  
Appl. No. 09/763,955  
June 22, 2007

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**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-47. (cancelled)

48 (currently amended). A method for treating a congenital mitochondrial disease selected from the group consisting of Mitochondrial Encephalomyopathy, Lactic Acidemia, ~~and stroke-like episodes~~; Lerber's Hereditary Optic Neuropathy; ~~Myclonic Epilepsy and "Ragged Red" (muscle) Fibers~~; Mitochondrial neurogastrointestinal encephalomyopathy; ~~Neurogenic muscle weakness, Ataxia and Retinitis Pigmentosa~~; Progressive External Ophthalmoplegia; Leigh's Disease; and ~~Kearns-Sayres Syndrome~~ in a mammal comprising administering to said mammal in need of such treatment an effective amount of a pyrimidine nucleotide precursor.

49 (previously presented). A method for treating Alzheimer's Disease in a mammal comprising administering to said mammal in need of such treatment an effective amount of a pyrimidine nucleotide precursor.

50 (previously presented). A method for treating Huntington's Disease in a mammal comprising administering to said mammal in need of such treatment an effective amount of a pyrimidine nucleotide precursor.

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51-54 (canceled).

55 (previously presented). A method for treating pathophysiological consequences of mitochondrial respiratory chain dysfunction selected from the group consisting of renal tubular acidosis, dilating cardiomyopathy and lactic acidemia in a mammal comprising administering to said mammal in need of such treatment an effective amount of a pyrimidine nucleotide precursor.

56-61 (canceled).

62 (previously presented). A method as in claim 48 wherein said pyrimidine nucleotide precursor is 2',3',5'-tri-O-acetyluridine.

63 (previously presented). A method as in claim 49 wherein said pyrimidine nucleotide precursor is 2',3',5'-tri-O-acetyluridine.

64 (previously presented). A method as in claim 50 wherein said pyrimidine nucleotide precursor is 2',3',5'-tri-O-acetyluridine.

65-67 (canceled).

68 (previously presented). A method as in claim 55 wherein said pyrimidine nucleotide precursor is 2',3',5'-tri-O-acetyluridine.

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69 (canceled).